

**Planar inductor with a ferromagnetic core, and fabrication method therefor**

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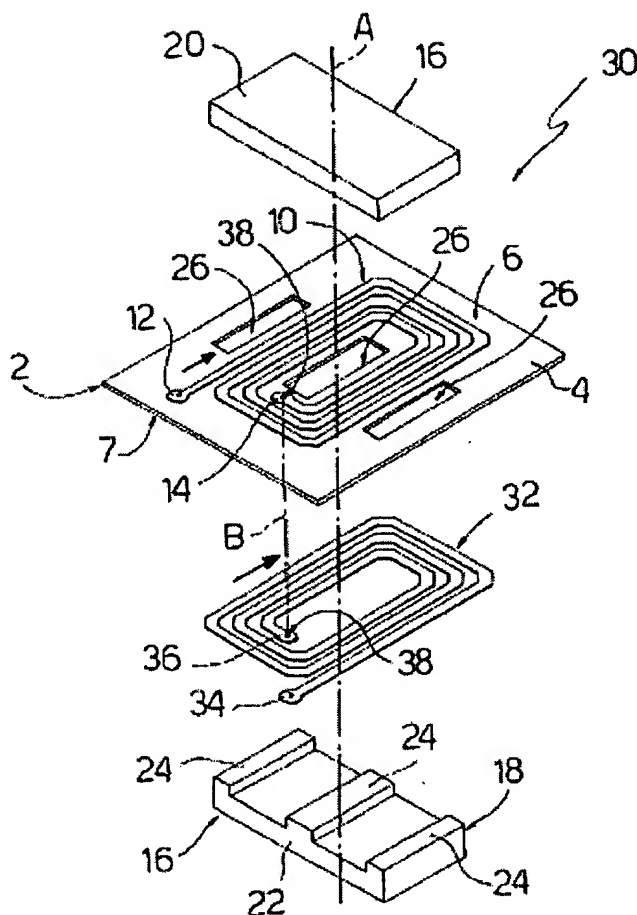
**Cited documents:**

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EP0926689  
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EP0506362

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**Abstract of EP1211701**

There is described a planar inductor (30) formed on a printed circuit board (2) having a substrate (4) of electrically insulating material. The planar inductor (30) has a first and a second planar winding (10, 32) located on opposite faces of the substrate (4), and each having an outer end (12, 34) and an inner end (14, 36); and a planar core (16) carried by the printed circuit board (2) and connected to the first and second planar winding (10, 32). A metalized through hole (38) is formed through the substrate (4) to electrically connect the inner ends (14) of the first and second planar winding (10, 32) to form a continuous planar winding, the outer ends (12, 34) of which define the terminals of the planar inductor (30).



**Fig.2**

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